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Manuals

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About Your Monitor

Dell™ 3007WFP Flat Panel Monitor

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- Dell Soundbar (Optional) Specifications
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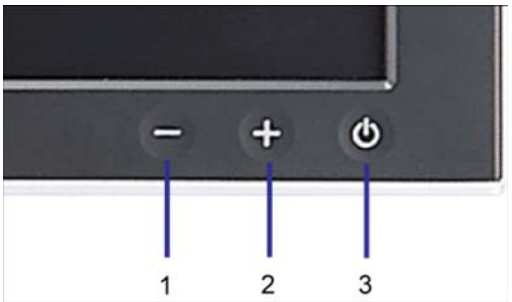
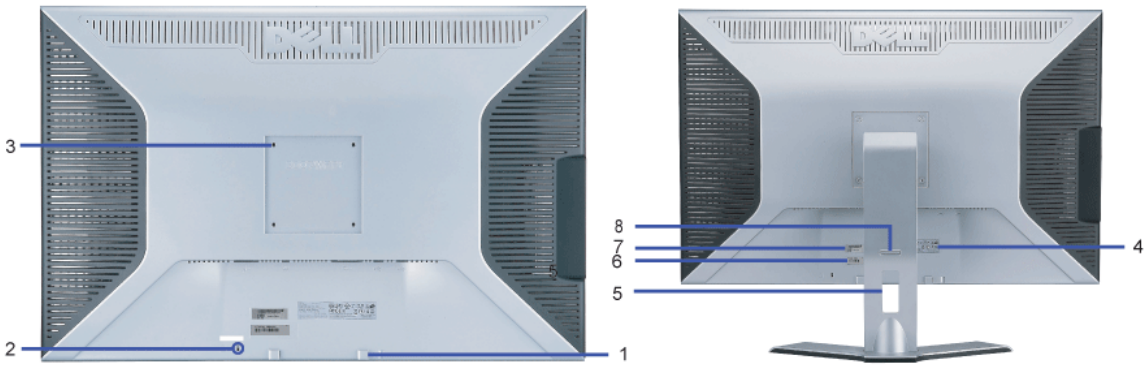
Front View



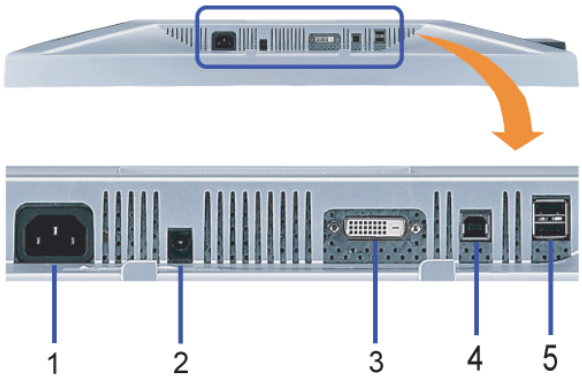
1. Decrease Brightness button
2. Increase Brightness button
3. Power button (with power light indicator)

Back View



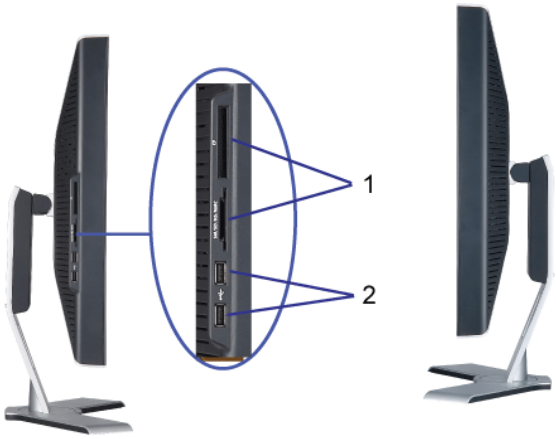
1. Dell Soundbar mounting brackets — Attach the optional Dell Soundbar.
2. Security lock slot — Attach a lock to secure your monitor.
3. VESA mounting holes (100mm [Behind attached base plate]) — Use to mount the monitor.
4. Regulatory rating label — Lists the regulatory approvals.
5. Cable management hole — Organize cables by placing them through the hole.
6. Service tag label— Refer to this label if you need to contact Dell for technical support
7. Barcode serial number label
8. Lock down/release button — Push the monitor down, press the button to unlock the monitor, and then lift the monitor to the desired height.

Bottom View



1. Power - Connect the power
2. Dell Soundbar power connector - Connect for the Soundbar (optional)
3. DVI connector - Connect your computer DVI cable
4. USB upstream port - Connect the USB cable that came with your monitor to the monitor and the computer. Once this cable is connected you can use the USB connectors on the side and bottom of the monitor.
5. USB downstream port - Connect your USB devices. You can only use this port after you have connected the USB cable to the computer and USB upstream port on the monitor.

Side View



Left side **Right side**

1. Card reader supports the following card types:
- Compact Flash (CF)
- Security Digital (SD)
- Memory Stick (MS)
- Smart Media (SM)
- Multimedia Card (MMC)
2. USB downstream port

Monitor Specifications

Power Management Modes

If you have VESA's DPM™ compliance display card or software installed in your PC, the monitor can automatically reduce its power consumption when not in use. This is referred to as 'Power Save Mode'*. If input from keyboard, mouse, or other input devices is detected by the computer, the monitor will automatically "wake up". The following table shows the power consumption and signaling of this automatic power saving feature:

VESA Modes	Horizontal Sync	Vertical Sync	Video	Power Indicator	Power Consumption
Normal operation(with Dell Soundbar and USB active)	Active	Active	Active	Blue	177 W (maximum)
Normal operation	Active	Active	Active	Blue	147 W (typical)
Active-off mode	Inactive	Inactive	Blanked	Amber	Less than 3 W
Switch off	-	-	-	Off	Less than 1 W

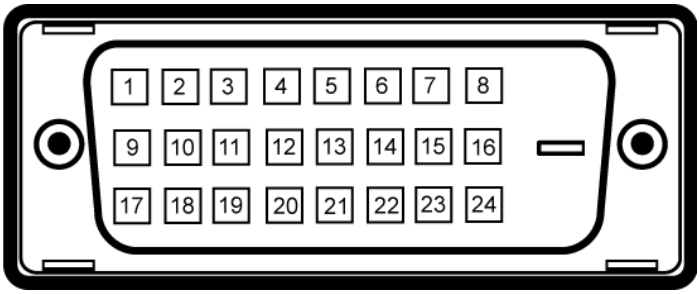
This monitor is **ENERGY STAR**®-compliant as well as TCO '99 power management compatible.

* Zero power consumption in OFF mode can only be achieved by disconnecting the main cable from the monitor.

ENERGY STAR® is a U.S. registered mark. As an **ENERGY STAR**® Partner, DELL has determined that this product meets the **ENERGY STAR**® guidelines for energy efficiency.

Pin Assignments

24 pin digital-only DVI-D connector:



Note: Pin 1 is at the top right.

Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	T.M.D.S. Data 2-	9	T.M.D.S. Data 1-	17	T.M.D.S. Data 0-
2	T.M.D.S. Data 2+	10	T.M.D.S. Data 1+	18	T.M.D.S. Data 0+
3	T.M.D.S. Data 2/4 Shield	11	T.M.D.S. Data 1/3 Shield	19	T.M.D.S. Data 0/5 Shield
4	T.M.D.S. Data 4-	12	T.M.D.S. Data 3-	20	T.M.D.S. Data 5-
5	NT.M.D.S. Data 4+	13	T.M.D.S. Data 3+	21	T.M.D.S. Data 5+
6	DDC Clock	14	+5V Power	22	T.M.D.S. Clock Shield
7	DDC Data	15	Ground (for +5V)	23	T.M.D.S. Clock +
8	No Connect	16	Hot Plug Detect	24	T.M.D.S. Clock -

Universal Serial Bus (USB) Interface

This monitor supports High-Speed Certified USB 2.0 interface.*

	Data Rate	Power Consumption
High speed	480 Mbps	2.5W (Max., each port)
Full speed	12 Mbps	2.5W (Max., each port)
Low speed	1.5 Mbps	2.5W (Max., each port)

USB ports:

- 1 upstream - rear
- 4 downstream - 2 on rear; 2 on left side

NOTE: USB 2.0 capability requires 2.0 capable computer.

NOTE: Monitor's USB interface works ONLY when monitor is Powered ON (or in Power Save Mode). Switching your monitor OFF and then ON would re-enumerate its USB interface; attached peripherals may take a few seconds to resume normal functionality.

Plug and Play Capability

You can install the monitor in any Plug and Play-compatible system. The monitor automatically provides the computer system with its Extended Display Identification Data (EDID) using Display Data Channel (DDC) protocols so the system can configure itself and optimize the monitor settings. If desired, the user can select different settings, but in most cases monitor installation is automatic.

General

Model number	3007WFP

Flat Panel

Screen type	Active matrix - TFT LCD
Screen dimensions	30 inches (30-inch viewable image size)
Preset display area:	
Horizontal	641.28 mm (25.25 inches)
Vertical	400.8 mm (15.78 inches)
Pixel pitch	0.2505 mm x 0.2505 mm
Viewing angle	178° (vertical) typ, 178° (horizontal) typ
Luminance output	400 CD/m ²(typ)
Contrast ratio	700 to 1 (typ)
Faceplate coating	Antiglare with hard-coating 3H
Backlight	CCFL (16) edgelight system
Response Time	14 ms typical (black to white) 11 ms average (grey to grey)

Resolution

Horizontal scan range	49.31 kHz and 98.71 kHz (automatic)
Vertical scan range	60 Hz
Optimal preset resolution	2560 x 1600 at 60 Hz
Highest preset resolution	2560 x 1600 at 60 Hz

Preset Display Modes

Display Mode	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock (MHz)	Sync Polarity (Horizontal/Vertical)
VESA, 1280 x 800	49.31	59.91	71	-/+
VESA, 2560 x 1600	98.71	59.97	134.25	-/+

Electrical

Video input signals	Digital DVI-D TMDS (Dual Link), 600mV for each differential line, positive polarity at 100 ohm input impedance with HDCP Support
AC input voltage / frequency / current	100 to 240 VAC / 50Hz/60 Hz ± 3 Hz / 1.6A (Max.)
Inrush current	120V:30A (Max.) at 0°c 240V:60A (Max.) at 0°c

Physical Characteristics

Connector type	DVI-D, white connector
Signal cable type	Digital: Detachable, DVI-D (Dual Link), Solid pins
Dimensions (with stand):	
Height (fully extended in landscape mode)	559.7 mm (22 inches)
Height (compressed/locked in landscape mode)	469.7 mm (18.49 inches)
Width	690 mm (27.16 inches)
Depth	200 mm (7.87 inches)
Panel Dimensions: (without stand)	
Height	449.55 mm (17.7 inches)
Width	690 mm (27.16 inches)
Depth	74.4 mm (2.93 inches)
Stand dimensions:	
Height (Compressed)	306.7 mm (12.07 inches)
Height (Extended)	396.7 mm (15.62 inches)
Width	404 mm (15.9 inches)
Depth	200 mm (7.87 inches)
Weight (monitor only)	11.38 Kg (25.07 lb)
Weight (with packaging)	16 Kg (35.24 lb)

Environmental

Temperature:	
Operating	5° to 35°C (41° to 95°F)
Nonoperating	Storage: -20° to 60°C (-4° to 140°F) Shipping: -20° to 60°C(-4° to 140°F)
Humidity:	
Operating	10% to 80% (noncondensing)
Nonoperating	Storage: 5% to 90% (noncondensing) Shipping: 5% to 90%(noncondensing)

Altitude:	
Operating	3,657.6m (12,000 ft) max
Nonoperating	12,192 m (40,000 ft) max
Thermal dissipation	604.35 BTU/hour (maximum) 501.92 BTU/hour (typical)

Dell Soundbar (Optional) Specifications

System Frequency Response	95 Hz to 20 kHz @ 10 dB below avg. SPL
Total Power Output	10 W continuous average power (all speakers operating) @ 10% (THD+N), 1 kHz (FTC rated)
Headphone Jack Output Power	40 mW continuous average power (RL = 32Ω) @ 10% (THD+N), 1 kHz
Input Sensitivity for Rated Output	500 ± 50 mVrms @ 1 kHz
Input Impedance	>10kΩ
Maximum Input Signal Voltage	2 Vrms
Controls	Power On/Off Volume Control
Input Cables	3.0 m ± 0.1 m AWG26 black cable attached to enclosure, with 3.5 mm lime green stereo plug
Power Requirements	DC12V, 1.5A +/-10%
Operating Temperature Range	10°C to 40°C
Humidity, Non-condensing	95% RH @ 40 °C

Caring for Your Monitor

CAUTION: Read and follow the safety instructions before cleaning the monitor.

CAUTION: Before cleaning the monitor, unplug the monitor from the electrical outlet.

- To clean your antistatic screen, lightly dampen a soft, clean cloth with water. If possible, use a special screen-cleaning tissue or solution suitable for the antistatic coating. Do not use benzene, thinner, ammonia, abrasive cleaners, or compressed air.
- Use a lightly-dampened, warm cloth to clean the plastics. Avoid using detergent of any kind as some detergents leave a milky film on the plastics.
- If you notice a white powder when you unpack your monitor, wipe it off with a cloth. This white powder occurs during the shipping of the monitor.
- Handle your monitor with care as darker-colored plastics may scratch and show white scuff marks more than lighter-colored monitor.

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